ACCESSION NUMBER: 82:73015 CA <<LOGINID::20071218>>
ORIGINAL REFERENCE NO.: 82:11675a,11678a
TITLE: Molten pyrimidines
INVENTOR(S): Althuis, Thomas H.; Czuba, Leonard J.; Hess, Hans J. E.; Kadin, Saul B.
PATENT ASSIGNEE(S): Pfizer, Chas., and Co., Inc.
SOURCE: Ger. Offen., 62 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2418498	A1	19741107	DE 1974-2418498	19740411
GB 1458205	A	19761208	GB 1973-55900	19731203
AU 7467500	A	19751009	AU 1974-67500	19740403
NO 139735	C	19790502	NO 1974-1231	19740404
NO 139735	B	19790122		
IL 44569	A	19790531	IL 1974-44569	19740404
NL 7404894	A	19741015	NL 1974-4894	19740410
NL 170285	B	19820517		
NL 170285	C	19821018		
ES 425238	A1	19760516	ES 1974-425238	19740410
FI 55658	C	19790910	FI 1974-1095	19740410
FI 55658	B	19790531		
DK 142621	B	19801201	DK 1974-2009	19740410
DK 142621	C	19810803		
BE 813571	A1	19741011	BE 1974-1005874	19740411
DD 111207	A5	19750205	DD 1974-177859	19740411
ZA 7402351	A	19750430	ZA 1974-2351	19740411
CH 619950	A5	19801031	CH 1974-5110	19740411
FR 2225166	A1	19741108	FR 1974-13092	19740412
JP 50018481	A	19750226	JP 1974-41582	19740413
RO 64918	A2	19790815	RO 1974-78412	19740413
RO 64918	A1	19800115		
AT 7403151	A	19770815	AT 1974-3151	19740416
GB 1501438	A	19780215	GB 1975-18583	19750502
AT 7607580	A	19770715	AT 1976-7580	19761012
AT 7607579	A	19771115	AT 1976-7579	19761012
DK 7703873	A	19770831	DK 1977-3873	19770831

PRIORITY APPLN. INFO.:

US 1973-351025	A	19730413
GB 1973-55900	A	19731203
DK 1974-2009	A	19740410
AT 1974-3151	A	19740416
US 1974-485945	A	19740705

GI For diagram(s), see printed CA Issue.

AB Twenty-seven pyrimidoquinolines I [R = Me, Et, Ac, CO2R7 (R7 = H, Na, Et, Bu, CH2CH2OH), CONH2, CONHOH; R1 = H, Ph; R2 = H, Cl, MeO; R3 = H, MeO, F, Cl, EtO, MeS, MeS(O); R4 = H, MeO, EtO, BuO, PhCH2O, F; R3R4 = OCH2O, OCH2CH2O; R5 = H, MeO; R6 = Me, CH2CO2Me, (CH2)3CO2Et, (CH2)2OAc], Et benzo[g]quinazolin-4(3H)-one-2-carboxylate, Et pyrido[2,3-d]pyrimidin-4(3H)-one-2-carboxylate, and 2-ethylpyrimido[2,3-d]pyrimidin-4(3H)-one, useful as inhibitors of bronchial asthma, were prepared: a) by condensation of cyanoacetamide with a nitrobenzaldehyde to give acrylamide II which was cyclized with powdered Fe in AcOH or AcOH-DMF to aminoquino-linecarboxamide III. Refluxing III with an oxalate ester and aromatic hydrocarbon gave I. b) Cyanoacetamide condensed with an aminobenzaldehyde gave III directly.

Many of the compds. prepared had 100% antiallergic activity at 1-10 mg/kg (average of 8 animals) i.v.

IT 55149-43-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and cyclization with diethyl oxalate)

RN 55149-43-4 CA

CN 3-Quinolinecarboxamide, 2-amino-6,7-dimethoxy- (CA INDEX NAME)